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Howard & Smith  
1913—

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Bulbs



# To Our Customers:



**W**E TAKE pleasure in presenting you with our Bulb catalogue for 1913, and desire at the same time to express our thanks for the liberal patronage which you have favored us with in the past, with assurance that we will at all times use our best endeavors to merit it in the future.

A careful perusal of this season's catalogue will disclose the addition of many fine novelties, all of which have had a thorough trial to test their merits, and which will prove valuable additions to any garden.

We have added a more complete list of cultural notes for the guidance of our customers. These notes are based on our own practical experience, extending over a period of several years of gardening in California; and we feel they will prove an acceptable help to those less informed.

Our stock of flowering and decorative plants was never as large or fine. We feel we are in a better position than ever to take care of our customer's wants and to deliver goods of a quality which cannot fail to give satisfaction.

Respectfully,

HOWARD & SMITH.

## Terms of Business:

Our customers are requested to carefully read the following:

**SHIPPING.** We strongly advise the shipment of all plants by express, as it insures prompt delivery. In the case of heavy balled plants, as large roses, palms, etc., shipment can be made by freight, and by our careful system of packing they travel long distances in good condition.

**PACKING.** No charge for packing or delivery to Freight or Express Offices in Los Angeles.

**TERMS.** Our terms are strictly cash, except from customers whose credit is already established. We do not ship plants C. O. D.

**ORDERS.** It often happens that we receive orders for plants which are not in season; in such cases a later shipment will be made and the customer notified to that extent.

**SUBSTITUTION.** It is almost impossible to forecast exactly what the demand will be for any particular plants in our list, and sometimes we sell out early in the season. In placing orders, please state whether we are at liberty to substitute or not. Where we do this we will use every endeavor to give equally good or, if possible, better varieties.

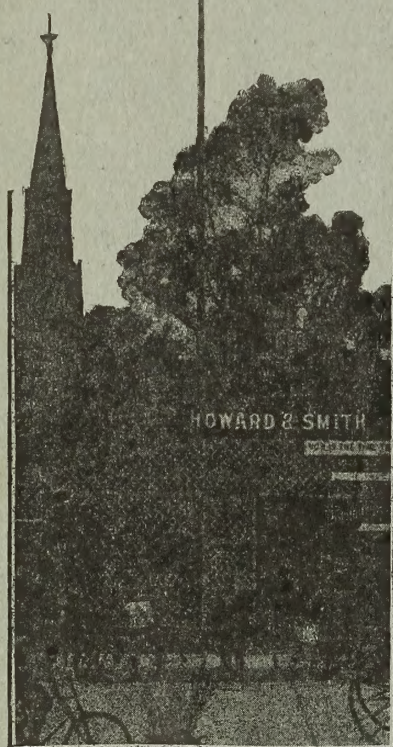
**NAME AND ADDRESS.** In order to facilitate the prompt delivery of shipments, we ask that patrons write plainly their Name, Postoffice, County and State. This is important, as often the name and address is indistinctly written, thereby causing unnecessary delay.

**NON-WARRANTY.** We exercise the greatest care in the selection, packing and labeling of plants and trees, but give no guarantee, express or implied, as to their growth, productiveness, quality, or any other matter of any trees, plants or seeds we send out, and will not be in any way responsible for crops. If the purchaser does not accept the goods on these terms, they must be returned at once.

**TRIAL GROUNDS AND NURSERIES,** Situated at Montebello, California, eight miles east of Los Angeles, on the Salt Lake Railway.

**CITY SALES DEPARTMENT,** N. W. Corner Ninth and Olive Sts., Los Angeles, Cal.

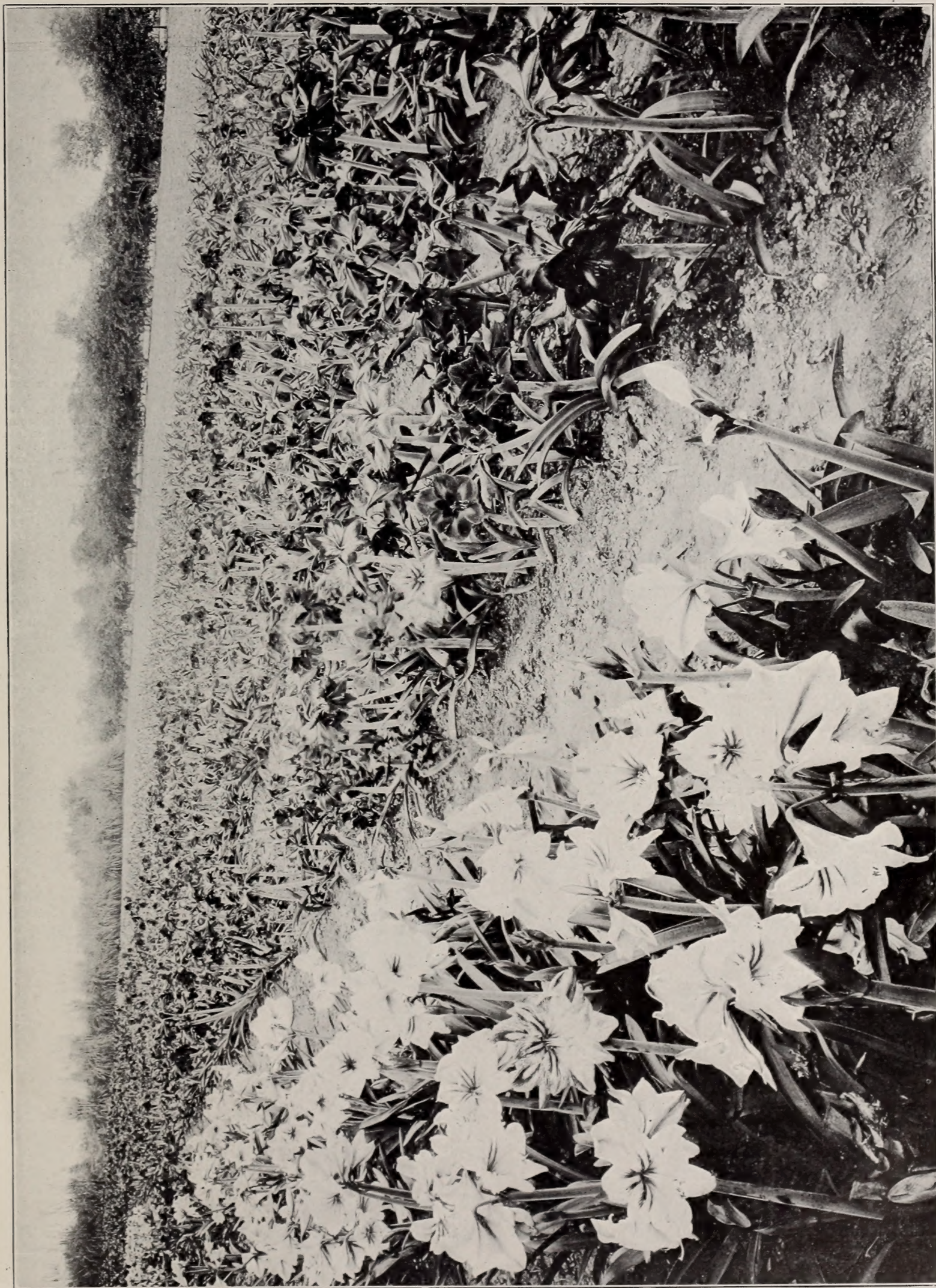
Please address all correspondence to Postoffice Box 484,  
Los Angeles, California



### One of the Landmarks of Los Angeles

**A** SPECIMEN of Eucalyptus Citriodora at our City Sales Department, planted by one of the members of our firm eighteen years ago. At that time it was a slender wisp of a plant scarcely 18 inches high; at the present time its actual measurements are—Height 130 feet; Diameter at the base 12 inches; Distance to lowest branches 120 feet. Like our firm it is still growing.





FIELD VIEW OF OUR NEW GIANT AMARYLLIS



# AMARYLLIS

## HOWARD & SMITH'S NEW HYBRIDS

This magnificent new strain of Amaryllis which we offered to our customers in the autumn of 1911, is the ultimate result of the scientific application of the laws of hybridization extending over a period of several years.

We began operations by obtaining the best varieties we could buy, paying as high as ten and twelve dollars for single bulbs. With these as a nucleus we bred them with a definite object in view, considering form, size and color.

The first generation seedlings were far from our idea of perfection, but showed an advance in a few varieties over the parent stock. From the best of these other hybrids were raised, and the same process repeated through several later generations until our present magnificent strain became a fixed fact.

Any attempt to describe them, even with the most glowing adjectives, would fail to convey an adequate idea of their surpassing beauty. They range in color from the pure white ground color, with its markings of rose, red, etc., to rich orange-scarlet, cherry, bright red, crimson, maroon, mottled, striped, etc.

We have them in pure self colors without a tinge of green, either in the throat or reverse side, and all with a satin-like lustre which in the deeper shades shines as though burnished.

The shape of the bloom is flat and spreading with full rounded and overlapping petals, offering in this respect a vast improvement over the parent types.

The entire strain bears flowers of phenomenal size, blooms averaging nine to ten inches in diameter, with five and six to a single stem frequently occurring.

The stems attain a height of three to three and one-half feet, displaying the blooms to great advantage. There is one factor of great importance regarding these Amaryllis, and that is they are of the easiest possible culture; they will prove splendid subjects for sunny beds in any prominent part of the garden, arresting attention at once and blooming year after year, vigor increasing with age.

They are eminently adapted for pot culture, and when so grown are beautiful subjects for the conservatory and greenhouse. A careful perusal of the cultural note below will explain how simple the treatment is which they require.

We feel that those who appreciate something choice and new in flowers will find in these new Amaryllis one of the most welcome and beautiful additions to their garden.

The illustration of the field in bloom conveys but a meagre idea of the effect,—that of the single bloom is much reduced, as will be noted by the measure in inches at the top.

The prices quoted are fifty to seventy-five per cent lower than anything of like quality to be obtained from European collections. They are the result of seven years' persistent labor and heavy expense incidental thereto.

It might prove an interesting item to state that in 1910 we purchased twelve bulbs which were the prize winners at the exposition in Brussels, Belgium, paying for the twelve the sum of \$108.00. We bought these for the express purpose of getting new blood for hybridizing purposes. The plants flowered freely last spring, but the quality was so inferior to our own best varieties that we did not use them.

### PRICES:

**Class A.**—First size selected flowering bulbs which will bloom this spring; perfect in color, form, size and substance, every one a gem; assorted colors. Each \$2.00; per dozen \$18.00.

**Class B.**—First size selected bulbs, full flowering size, not so perfect in form and color but superior to any other strain on the market; assorted colors. Each \$1.50; per dozen \$12.00.

**Class C.**—First size selected bulbs, full flowering size, consisting of the better selections of the earlier generations of the strain with splendid large flowers; assorted colors. Each 50 cents; per dozen \$5.00.

**Note.**—Not less than six bulbs of the above strains at the dozen rate. Customers will find a trip to Montebello during their spring blooming season well worth while.

**CULTURAL NOTE: Pot Culture.** The bulbs require a seven or eight-inch pot, according to their size, and should be potted so that the neck of the bulb is above the surface of the soil; it will not harm if the upper rounding surface of the bulb is exposed. Place plenty of crocks over the hole in the bottom of the pot to insure good drainage; use a rich compost in potting consisting of one-fourth rotted cow manure and three-fourths of good light loam; water thoroughly after potting and place in a cool sheltered position for two or three weeks. As soon as growth begins remove to greenhouse, conservatory or a light, sunny window, keeping them moderately moist at all times. The flowers will show in all their wonderful perfection in seven to eight weeks after potting up. When through blooming plant out in garden. This recuperates the bulbs, and the same operation may be repeated the following fall or winter. They are more easily grown in pots than Easter Lilies and are far more showy.

**OPEN GROUND CULTURE.** Plant the bulbs in any good garden soil which has had plenty of rotted manure added and been thoroughly mixed together. Select the bed in any fully exposed sunny position, plant them so that the top is even with the surface of the soil. When growth begins give water in sufficient quantities to keep the bed moist at all times. Irrigate, don't sprinkle. When the buds appear a shading of cheesecloth will give highly perfected colors, although not absolutely necessary.

In California and other sections of similar climate the bulbs may remain in the same position for three years, after which they may be taken up, divided and reset.

In climates where the ground freezes, take up every autumn and treat as noted under pot culture, or hold dormant until spring and plant out for later flowering.

**Belladonna.** Lovely rose pink, with a lighter colored throat. As this variety loses its foliage before the flower spikes issue forth, care must be taken not to disturb the bulbs at this period. August is its time of flowering. Mammoth bulbs, each 20 cents; per dozen \$2.00.

**Formosissima.** An original species native of Mexico, with narrow reflexed and spreading petals. The color is an intensely rich deep crimson. This variety is of superb effect when used as a cut flower, and forms attractive masses of color in the garden as well.

Price, each 35 cents; per dozen \$3.50.

## Agapanthus

**Umbellatus.** Among the various summer flowering bulbs there are but few which grow as easily or are more constantly effective in the garden than well grown clumps of Agapanthus.

The variety in question produces a continual succession of strong flower stems each crowned with large umbels of deep blue flowers.

A splendid effect is obtainable by planting them in lines, and they also make very effective tub specimens.

Price, strong plants, each 25 cents; per dozen \$2.50.

**Umbellatus Alba.** A somewhat rare pure white form of the preceding variety. Price, each 35 cents.



## **ERRATA**

The caption under the illustration on page 3 should read "Field view of H. & S. Giant Ranunculus" instead of "Field view of our new Giant Amaryllis".







FIELD VIEW OF OUR NEW GIANT AMARYLLIS

# H. & S. GIANT SINGLE ANEMONES

**Single Giants (New).** A superb strain of Giant Anemones, containing a wonderful range of colors. They vary from purest white to pink, dazzling scarlet, crimson, purple, variegated, with innumerable intervening shades. Flowers of enormous size reaching a diameter of five inches, and carried erect on stems fifteen inches long. Last Spring we had a large block of plants in bloom at one time, and they gained the admiration of all visitors to our nursery. In the way of Spring flowers, there is nothing that exceeds in beauty a well grown bed of Anemones, and no class of plants which require less attention. They may be planted in lines along a border, or mixed in with other bulbous stuff. For best effect they require planting in masses. Price, per doz., 35c; per 100, \$2.50.

**Cultural Note.**—Anemones require a rich, loamy soil, to which may be added and thoroughly dug in, a heavy dressing of well rotted cow or horse manure, and it is best to do this some time in advance of the planting time, and to turn and wet several times to thoroughly incorporate and sweeten the mixture. When the time for planting arrives, take the roots and soak in water for six hours previous to planting; this causes them to swell to normal size, and enables one to distinguish the crown of the root, and prevents planting upside down. In planting place a slight ridge around the bed, so that the plants may be flooded with water. Sprinkling is detrimental to the best results. Select a full sunny position for the beds, and cover the crown with three inches of finely-sifted soil.



# H. & S. Giant Ranunculus

*H&S*

H. & S.  
GIANT  
RANUNCULUS

OUR STRAIN of these popular spring flowering plants is of a very superior quality. The flowers are of giant size and the plants are of exceptional vigor. They attain a height of 18 inches when in full bloom, and far surpass the Dutch or Turban type in both beauty and size. The colors are as diversified as they are beautiful. Flowers grown from roots supplied by us last Autumn won both 1st and 2nd prizes at the annual Spring show at the Pasadena Gardeners' Association.

It will be noted that the price is in excess of that charged for common strains, but their infinite superiority, coupled with the fact that the percentage of increase is much smaller, compels us to make this advance. Customers will find, however, that they are well worth what we ask for them. We invite a comparison of our strain with any other on the market. The roots offered are our own growing.

Price 1st size roots, per dozen, 35c; per 100, \$2.00.

**CULTURAL NOTE.** — Before planting the roots soak them in water for two or three hours; this causes them to swell to full size. Plant them in a good rich soil, claws downward, six to eight inches apart each way and cover the roots with two inches of finely sifted soil.

If a little care is used a glorious display will follow in the spring, extending over a period of several weeks.



## Callas

**Richardia Aethiopica.** The well-known Calla Lily of the Nile. Fine, strong bulbs. Each, 10c; per doz., \$1.00.

**Richardia Elliottiana.** The finest species in cultivation. Color the richest shade of pure golden yellow; leaves beautifully spotted with white. Strong roots. Each, 25c; per doz., \$2.50.

## Crinum

**Moorei.** A stately and but little known bulbous plant, with heavy fleshy stems three to four feet high, surmounted by a large umbel of beautiful rosy pink blossoms; the blooms are very large, frequently measuring six inches in diameter; they are deliciously fragrant and worthy of a place in any garden; the plant does remarkably well in a half shady situation, and good rich loamy soil. Strong bulbs from pots, each, 50c; per doz., \$5.00.

## Cyclamen

Although generally regarded as pot plants, Cyclamen grow and bloom far more profusely if planted in a shady north border. They give a beautiful touch of color to a fernery, and flower year after year with little attention.

The main essentials for outdoor planting is to have plenty of rotted leaf mould mixed with the soil and to see that the crown of the root is slightly above the surface of the ground. To cover this means a total failure, as damping off of leaves is sure to follow.

We can supply all colors from pure white to darkest crimson. The strain is one of the best in existence. Price, each, 25c; per doz., \$2.50.

## Dielytra (Bleeding Heart)

**Spectabilis.** Although usually treated as a forcing plant, Dielytras do well when planted out in a good shady border. Their drooping branches of bright pink flowers form conspicuous objects in the garden. Fine for early Spring blooming. Price, each, 20c; per doz., \$2.00.

## Freesias

These do so well in California that no garden should be without them. They increase rapidly and make excellent subjects for planting in borders. They are also useful for pot work. Plant them one to two inches apart by about the same in depth.

**Purity.** A new pure white strain of Freesias of splendid quality. The flowers have none of the objectionable yellow shadings seen in ordinary types. Well named and eventually destined to entirely supplant the older sort. Price per doz., 35c; per 100, \$3.00.

**Refracta Alba.** This is the older and well known form, intensely fragrant and free blooming. Price, first quality, per doz., 15c; per 100, \$1.00. Mammoth, 25c per doz., \$1.50 per 100. Jumbo, extra large bulbs, 35c doz., \$2.50 per 100.

## Gladiolus

The remarkable improvements made in Gladiolus during recent years, and the numerous fine strains now obtainable, have served to greatly increase the culture of these lovely Summer flowering

bulbs. We grow a large quantity of bulbs each year, and the strain is exceptionally fine. All poor sorts have been carefully rogued out, and we feel certain that the stock offered will please the most critical.

It will be noticed that the prices quoted are higher than Gladiolus may commonly be purchased for, but the strain is incomparably superior to the cheap grades usually sold. It is a well understood fact that the ratio of increase in the bulbs of a fine strain is much slower than with the common, weedy types.

### EARLY OR WINTER FLOWERING GLADIOLUS

These are the first of all Gladiolus to bloom, and are without doubt the daintiest of all for cut flowers, but are far more graceful in general effect. Last season we catalogued a number of varieties, but as some of these were not entirely free growers, we have selected three of the very best, and discarded the balance.

**Blushing Bride.** Blush white flaked carmine.

**Peach Blossom.** A lovely rosy red, flaked with white.

**The Bride.** Pure white, the very best of this color grown. Price of any of the above, per doz., 50c; per 100, \$3.50.

**America.** The peer of all Gladiolus; a strong, vigorous grower, with large, well-opened flowers, borne on strong spikes, three to three and one-half feet long. The color is a magnificent shade of soft pink, similar to that seen in some of the Cattleya orchids. There is no necessity to speak of its merits as a cut flower beyond the fact that its popularity is widespread both in Europe and America, and stocks running into millions of bulbs have been distributed. Our stock of bulbs is of our own growing, and is of fine quality. Price, each, 10c; per doz., \$1.00; per 100, \$7.50.

**Mrs. Francis King.** A striking new light scarlet Gladiolus of immense size and substance. The blooms open out flat, with a large number on the spike open at the same time. As fine a thing in scarlet as America is in pink. We offer a fine stock of big bulbs of our own growing. Price each, 15c; per doz., \$1.50.

**Mixed Hybrid Seedlings.** We offer under this head a selection of varieties, which for size, coloring, etc., cannot be surpassed. Spikes of immense size, and blossoms of mammoth proportions. The strain contains all shades from light to dark. We feel no hesitancy in recommending these to all lovers of choice bulbous plants. Each, 10c; per doz., \$1.00; per 100, \$6.00.

**Cultural Note.**—Be careful to plant the bulbs so that the top is three inches below the surface of the ground. They delight in a rich, light soil, and require an abundance of water during the growing period, providing the weather is at all hot. They will repay any extra attention shown them.

## Hyacinths

We have a very fine lot of extra selected, first-sized bulbs to offer this Fall. They may be planted at any time from September to December. The earlier the better. When planting in the open ground, select a rich light soil, and cover the bulbs three to four inches above the crown. For pot culture, use a four-inch pot, and allow the top of the bulb to come even with the soil. Store in a dark, cool place for three to four weeks, keeping the soil moderately moist. They may be then removed to greenhouse or conservatory.

**Note.**—The bulbs which we offer below must not be confused with the cheap second-grade and second-class stuff which is often sold, and which invariably produces inferior and defective spikes and flowers. The varieties which we offer may be considered as the best in their respective colors, and, we believe, will give every satisfaction if afforded fair treatment. The bulbs are all first-sized and extra selected stock.





HYACINTH—NORMA

**Alba Superbissima.** A grand white variety, with very large spikes and bells. One of the best.

**Charles Dickens.** Blue. Porcelain blue with deeper tints. Excellent for bedding or growing in pots.

**Charles Dickens.** Pink. An extra large spike of exquisite soft rose-colored flowers.

**Gertrude.** Deep rose. Extra fine for bedding, having an erect truss.

**Grandeur a Merville.** An exquisite tint of blush white. Excellent for pot work.

**Grand Maitre.** Pure porcelain blue. The best of its color.

**La Peyrouse.** A lovely shade of porcelain blue.

**Norma.** A fine forcing variety, beautiful coral pink shade.

**Robt. Steiger.** Deep rich rose. Very fine.

Any of the above bulbs: Each, 15c; per doz., \$1.50.

**French Roman.** Well-known and universally admired. Bulbs throw numerous spikes of fragrant pure white flowers. Especially good for border planting and bedding. Each, 5c; per doz., 50c; per 100, \$3.50.

## Iris

The varieties which we offer below comprise a very select collection of these lovely, hardy plants. The surprising range of color which they offer and their adaptability to so many different uses, place them in the front rank of our hardy garden plants. For the margins of woodland walks, shrubbery borders, wild gardens or near ponds, they are unexcelled. They are also valuable for cut flowers, as they possess a grace and beauty which is all their own.

## Iris Germanica

### NEW GIANT FLOWERED VARIETIES

### Novelties for 1913

**Alcazar.** A typical new giant flowered Iris with very wide petals in both standards and falls.

Color violet, purple and blue. Extra fine. Price, each 35 cents.

**Edward Michel.** A gigantic sized bloom of the deepest violet purple. Price, each 35 cents.

**Eldorado.** A curious and unique new shade in this class of Iris, being yellow overlaid with blue.

This splendid novelty produces fine long stems and is destined to become very popular as a cut flower variety.

Price, each 35 cents.

## Recent Introductions

The following set are the varieties which we sent out a few seasons ago; each spring they have flowered in great masses at our nurseries and have won the admiration of everyone.

This new giant flowered race of Iris is certain to become one of the most useful of all our spring flowers; with the recurrence of each season they flower in great profusion, require but little attention, and furnish blooms of a character which rival Orchids in beauty.

Price of any of the following: each 25 cents; per dozen \$2.50.

**AMAS.** A strong, vigorous variety. Standards lavender blue. Falls light blue.

**CAPRICE.** Immense blooms, violet blue.

**ISOLENE.** Standards pale lavender. Falls light purple overlaid with brown, beard yellow.



**JEANNE d'ARC.** A lovely pure white with the outer edge of the falls and standards penciled light blue; very fine.

**KHARPOT.** Violet, very large and fine.

**LOUTE.** Standards lilac. Falls deep blue.

**TAMERLANE.** Foliage heavy. Standards light blue; falls purple.

## Iris

### General Collection

Price, unless otherwise noted, each 15 cents; per dozen \$1.50. This price is for strong divisions.

**Dolphin.** Standards rich lavender blue. Falls purple with lighter shadings at the edges of petals.

**Doris.** Standards light purple. Falls blackish purple. Beard golden yellow.

**Ivory.** Ivory-white self, with distinct yellow beard. Flowers very large, early in bloom, and distinct in form from all other intermediate Iris.

**Josephine.** A Hybrid Alpine Iris of great beauty, forming dense tufts of long, narrow foliage, and produces in early spring endless quantities of pure white flowers. Falls rather short, with standard bold and erect. Extra.

**Mrs. Reuthe.** Among the strong-growing, large-flowered types of German Iris there is nothing to surpass this exquisite variety. It is a gem for cutting purposes, and its delicate color makes it especially desirable for cut-flower use. Color is a delicate shade of lavender blue, with falls somewhat lighter in color. It will be difficult to conceive anything more beautiful than a bouquet of this variety.

**Odin.** Standards delicate lavender white. Falls splashed and lined with blue. Beard light yellow. Exceptionally fine.

**Queen Flavia.** (Intermediate.) Standards rich porcelain blue. Falls lavender blue. A very beautiful, distinct variety. Each 20 cents; per dozen \$2.00.

**Rosine.** Standards and falls reddish purple. Foliage long and narrow. Height 2½ feet.

**Swanhilde.** A very free blooming sort with flowers of white ground, overlaid with and penciled pale blue.

**Zephyr.** Lavender-blue flowers of medium size, produced in great profusion. Beautiful in every way.

### Alpine Iris (Dwarf Varieties)

A distinct group of hybrids which grow only a few inches high. They make dense tufts of foliage from which issue during their season, large numbers of dainty blooms. A plant in full



IRIS ISOLENE

flower rarely exceeds ten inches in height. They are excellent subjects for planting in rockeries or they may be used for dwarf borders. Price each 15 cents; per dozen \$1.50.

**Diana.** A dwarf alpine Iris. Sulphur white. Like others of its class it will be found invaluable for rock work, borders, etc.

**Irene.** Yellow self. Twelve inches in height. One of the best of the yellow alpine.

**Puck.** Standards light purple. Falls deep claret, veined with white at the base.

**Nimrod.** Standards deep purple. Falls claret purple. Very dwarf, scarcely exceeding ten inches in height, and forming dense tufts of foliage surmounted in early spring with numerous medium-sized blooms. A gem for rockery or garden purposes.

**Turk.** Medium tall grower with primrose standards. Falls beautifully veined purple on light colored ground.





**Jupiter.** A lovely Miniature alpine iris. Standards and falls are beautiful golden yellow. A gem for borders or rock work.

**Amy.** Long grassy foliage surmounted by delicate miniature blooms. Standards white. Falls white stained with purple.

**Obelisque.** A distinct alpine hybrid, with falls of reddish violet and purple standards. Flowers of good size with distinct yellow beard.

**Pumila Hybrida.** An exquisite dwarf, purple flowered alpine iris. It is especially useful for borders or rockeries. It produces a wonderful profusion of blooms early in the season, being at its best during the months of January and February, at which time flowers are usually very scarce in the open garden.

**Pumila Excelsior.** Same in habit as the foregoing, but with lovely pure yellow flowers.

## Japanese Iris (*Iris Kaempferi*)

The latest introductions from Japan in this magnificent class of iris are marvels of beauty and stateliness. The flowers often reach a diameter of ten inches, and the colors and combinations of delicate shades, in both single and double forms, simply baffle description. Although they are among the easiest of all iris to bring to a state of perfection, both as regards quality of bloom, height of growth, etc., we doubt if more failures occur in growing any class of plants than with these, and this is simply due to the lack of understanding their requirements; these, while exceedingly simple, are too often neglected, with entire failure, or only

partial success, as the result. For the benefit of our customers, we here outline our method of growing, and if followed will insure success.

**CULTURAL NOTE:** Select a plot of ground of suitable size for the number of clumps to be planted, allowing a minimum distance between the clumps of eighteen inches. Spade over thoroughly to a depth of twelve inches, breaking all lumps, removing stones, if any, etc. Cover this with three inches of rotted cow manure, spade it and re-spade several times to thoroughly incorporate the manure.

Section off into beds four feet wide, and as long as required, with a path between of, say eighteen inches. Rake to a ridge four inches in height at the edges, so that the interior portion may be flooded with water; plant the clumps the distance above specified and cover the crown three inches deep; after planting flood with water; the beds, if well made, perfectly level and with good ridges at the edge, will hold water to the depth of three inches; after the first soaking, give water in moderate amounts only until the growth begins; when the plants attain a height of six to eight inches, they should be kept constantly wet. During the growing season, give two or three liberal mulchings of well-rotted manure; this, through the flooding method, provides them with the equivalent of liquid manure and tends to increase the height of the stems, and the beauty of the blooms. If the weather is hot a lath shading placed over the beds at a height of seven feet (the lath nailed to strips three-quarters of an inch apart) tends to lengthen the blooming period and betters the quality of flowers.

**Price**—We offer an unsurpassed collection of about fifty varieties in all colors at 25 cents each; per dozen, \$2.50; per hundred, \$18.00.

**Orientalis.** A lovely form of Siberian Iris, with long grassy foliage and tall slender stems; fine for cutting. Color deep blue. Each, 20 cents; per dozen, \$2.00.

**Tectorum.** A lovely Japanese species with broad arching leaves and rich blue flowers; they are flat in form, similar to the *Iris Kaempferi* type. The crest of the flower is ivory white. Price, each 25 cents.

**Stylosa.** The blue and white forms of this lovely species begin to bloom early in October and continue through the winter season. Coming into bloom at a season when flowers are scarce makes them particularly valuable and adds a touch of color to the garden. They require partial shade for the best results. Strong divisions of either variety, each 20 cents; per dozen, \$2.00.



IRIS KAEMPFERI



## Ixias

For planting in solid masses or for outlining the edges of walks in the bulb garden, there are no bulbous plants more effective or more easily grown than these dainty subjects.

The flowers are arranged in spikes on strong, wiry stems and are specially useful for cutting. Plant them three inches apart and two inches deep.

**Choice Mixed.** Per doz., 20c; per 100, \$1.50.

## Lilies

In the entire range of cultivated bulbous plants, there are none more sought after or more generally admired than the Lily.

Their requirements are simple, but attention should be strictly paid to these to obtain the best results. Lilies prefer a partially shaded position and a well-drained, somewhat loamy soil. If the soil is at all poor it should be well enriched with manure dug in deeply. The bulbs should be planted four to six inches in depth and about ten inches apart. When procurable, the addition of fibrous peat or leaf mould to the bed materially assists in the production of a fine display of bloom.

**Auratum.** This is the queen of Lilies, combining as it does enormous size, sometimes attaining a diameter of twelve inches, delicious fragrance and exquisite coloring. Color ivory white, thickly studded with chocolate spots and rayed through the center of each of the six large petals with a golden yellow band. Each, 20c; per doz., \$2.00.

**Candidum.** The beautiful pure white Madonna Lily. This variety is of easy culture. Once planted it increases in vigor and beauty each succeeding year. A fine sort for naturalizing in the wild garden. Price, strong bulbs, each, 15c; per doz., \$1.50

**Longiflorum Giganteum.** A much improved form of Longiflorum with snowy white flowers and almost as early to bloom as *Lilium Harrisii*, better known as the Bermuda Easter Lily. Each, 20c; per doz., \$2.00.

**Speciosum Album.** Pure white with a greenish band through the center of each petal. This and the following are among the best of all Japanese Lilies, especially for outdoor planting. They are of easy culture and may be allowed to remain several seasons undisturbed. When treated this way they increase in beauty each succeeding year. Each, 20c; per doz., \$2.00.

**Speciosum Rubrum.** Precisely the same in form and growth as the preceding, but with a pure white ground dotted with crimson spots. Each, 20c; per doz., \$2.00.

**Speciosum Album Kratzeri.** One of the finest Lilies in cultivation. Flowers pure white, petals much recurved. Deliciously scented. Very scarce. Each, 20c; per doz., \$2.00.

**Tigrinum Giganteum.** A handsome form of the Tiger Lily. Color, orange salmon spotted with black. Each, 15c; per doz., \$1.50.

**Tigrinum Giganteum.** (Double). A perfectly double form of the giant Tiger Lily. This and the preceding variety are easy to naturalize and increase in beauty each succeeding year if the bulbs remain undisturbed. Price, each 15c; per doz., \$1.50.

**Note.**—Lilies are usually ready for delivery late in October. We send out only thoroughly ripened bulbs. If dug too early poor results are sure to follow.

## Ornithogalum

### STAR OF BETHLEHEM

**Arabicum.** Tall spikes bearing large heads of pure white flowers with glistening black centers. This lovely species may be grown in pots or the open ground; very useful as a cut flower; highly perfumed. Price per doz., 50c; per 100, \$3.50.

## Oxalis

These are splendid subjects for low border decoration or for growing in pots for greenhouse or conservatory.

The plants are dwarf in habit and during the early spring months produce a carpet of flowers. The following are the best:

**Boweii.** Bright red.

**Cernua Lutea.** Yellow.

**Deppei.** Bright crimson.

**Hirta.** Deep rose.

**Rosea.** Pink.

**Versicolor.** Violet, red and white.

Price per doz., 15c; per 100, \$1.00.



ISMENE CALATHINA GRANDIFLORA

## Ismene

**Calathina Grandiflora.** A beautiful free-blooming bulbous plant from Brazil, and one which is especially adapted to culture in warm Southern climates. The large blooms are intensely fragrant, pure white in color, with greenish bands in the base of the throat. The edges of the flowers have an irregular fringed outline which greatly enhances the beauty of the bloom. Price, each, 25c; per doz., \$2.50.



## Narcissus (Daffodils)

Among the various bulbous plants of Spring there is nothing to exceed the beauty of well grown Narcissi. Their culture is simple to a degree and when accorded proper conditions with the return of each Spring there is an increased display of bloom. The varieties in the subjoined list are good free growers and produce plenty of blooms, the bulbs quoted are all selected first size.

**Barri Conspicuus.** Flower extra large, perianth soft yellow, cup short, edged with orange scarlet. A splendid, strong grower, free flowering, extra fine. Price, per doz., 50c; per 100, \$3.50.

**Golden Spur.** A very early pure yellow trumpet Daffodil. It comes in some weeks before Emperor and Empress and lengthens the flowering period of these beautiful plants materially. Per doz., 50c; per 100, \$3.50.

**Mad. Plomp.** A grand Daffodil with a pure white perianth and golden yellow trumpet. Flower very large, carried erect on heavy, stiff stems. Price, per doz., 75c; per 100, \$5.00.

**Orange Phoenix.** Large, perfectly double Daffodil. Petals white and orange. This is the best of all the perfectly double varieties. Price, 50c per doz.; \$3.50 per 100.



FIELD VIEW OF NARCISSUS—DAFFODILS—AT MONTEBELLO

**Bicolor Victoria.** Very large, erectly borne flowers. Perianth delicate creamy white, trumpet clear rich yellow. Price, per doz., 50c; per 100, \$3.50.

**Campernelle Rugulosus.** A dainty medium sized bloom, rich golden yellow. Price, per doz., 50c; per 100, \$3.50.

**Emperor.** The finest of all yellow Daffodils, with a large, well expanded trumpet and extra good stems—for bedding or cut flowers it is unsurpassed. Per doz., 50c; per 100, \$3.50.

**Empress.** Identical in every respect with the foregoing, except in color—the perianth being white while the trumpet is a full, rich yellow. Per doz., 50c; per 100, \$3.50.

**Horsfeldii.** Color arrangement much the same as in the Empress, but much earlier in bloom and quite distinct in the form of the flower. Per doz., 50c; per 100, \$3.50.

**Princeps Maximus.** Perianth sulphur yellow, cup full yellow. Price, per doz., 50c; per 100, \$3.50.

**Soliel d'Or.** A beautiful deep golden yellow, bunch flowered, or polyanthus type. The heads of bloom are large, and freely produced. The color is unsurpassed. Price, per doz., 50c; per 100, \$3.50.

**Von Sion.** Similar in general form to the ordinary trumpet Daffodils, with the exception that the center of the flowers is quite double, rich golden yellow in color; excellent for cutting purposes. Price, 50c per doz.; \$3.50 per 100.

**CULTURAL NOTE:** Narcissus thrive in a light, rich soil, and, when possible, they should be planted in a bed by themselves. After the blooming season water should be withheld and the bulbs allowed to ripen in the usual manner. The water required to keep other plants alive during the summer months is especially harmful to them. Plant the bulbs four or five inches deep and six to eight inches apart. After a growth of a few inches is attained, give a good liberal mulch of well rotted manure.



## New Seedling Montbretias

A new and distinct race of Hybrid Montbretias from England, which mark one of the greatest advances in this lovely class of bulbous plants ever introduced, and one which, after a test of three seasons has proved of special value for our California climate.

The plants attain a height of three to five feet, have long grassy foliage not unlike that of the early flowering Gladiolus with long, slender flower spikes and numerous erectly held blooms elegantly dispersed along the upper portion of the much branched stems. The blooms are of remarkable size, attaining a diameter of three inches and over. The colors are rich and glistening.

We have used quantities of these flowers in a cut state for decorative work and they have invariably elicited unstinted admiration.

## New Watsonias

### A GRAND STRAIN OF NEW VARIETIES FOR THE SEASON OF 1912-13

We are able to offer for the first time this season a strain of these favorite Spring blooming bulbous plants, which contains an entirely new series of beautiful colors. Up to the present time the white and pink forms were the only colors known, while this new strain contains delicate shades of salmon, salmon scarlet, apple-blossom, deep scarlet, as well as the usual white and pink shades.

The range of color variation is very wide, and when in full bloom presents a lovely and most unusual color effect.

Like all Watsonias they should be planted early, as the bulbs start into growth during October and November, and when not planted deteriorate rapidly.

We have every confidence that this new strain will prove a source of pleasure to all who grow it, for they not only are novel as to color but beautiful as well.



FIELD VIEW OF WATSONIAS AT MONTEBELLO

We can thoroughly recommend them to everyone as beautiful and meritorious novelties, either for cutting or garden ornamentation.

Price of any of the following varieties—each, 20c.; per doz., \$2.00.

**Hereward.** Pure orange yellow with very large beautifully reflexed petals. This variety is of superb decorative effect, and increases the number of its bulbs with amazing rapidity. If planted in rows in two seasons the plants become like sheaves of wheat and are literally smothered with flowers.

**Lady Hamilton.** Glistening orange yellow with a faint zone of crimson around the middle portion of the bloom. The plants attain a height of three and a half feet and are smothered with numerous Watsonia-like flowers. This variety will last fully a week as a cut flower.

**Norvic.** A dwarf branching variety which reaches up to two feet in height. The color is a distinct shade of deep yellow on the open face portion of the bloom with the exterior of the petals heavily stained burnt orange crimson.

**Westwick.** Probably one of the most remarkable varieties in the set, the color being orange red with a large clear yellow eye surrounded with a circle of deep maroon. A beautiful variety for cutting.

We have only a limited stock to offer this season; early orders will prevent disappointment. Price, each, 25c; per doz., \$2.50.

**Our New Pink Watsonia.** (See cut above). This beautiful new type occurred as a seedling sport from Watsonia O'Brienii at our Montebello grounds and forms a decided break from the pure white variety. Coming as it does from the largest pure white in cultivation, the blooms in nearly every instance are equal or even superior to the parent plant. It far surpasses in size the pink species which is common in South Africa (Watsonia Meriana), and will prove a decided addition to our list of Spring flowers. The color is a delightful shade of lavender pink; the blooms are produced on strong branching spikes five to six feet high and it is earlier in bloom than the white. Price, each 15c; per doz., \$1.50.

**O'Brienii.** Of all acquisitions to the list of garden plants we know of nothing more meritorious than this lovely South African Irid. Its lovely pure white flowers are produced on stems four to five feet high and in wonderful profusion. The usual time of flowering is about Easter time. Price, each, 15c; per doz., \$1.50.

**CULTURAL NOTE:** Watsonias make a steady growth through the Winter, and it is highly important that they be planted early. If possible, get them into the ground before December. They lose vitality if not planted early.



## Morea

**Iridioides.** A very rare and distinctly beautiful species from the Cape of Good Hope. The plants form dense tufts of long grassy foliage about four feet high, with numerous long flowered stems branched in character, distributed along which are numerous Iris-like flowers with a ground color of pure white beautifully blotched with golden yellow. The blooms resemble those of a Jap Iris in many ways, though somewhat smaller in size. The foliage is persistent, being green at all times of the year. It is a plant highly ornamental in character and blooms in great abundance during late spring. Strong divisions, each 50c; per doz., \$5.00.

## Tulips

It was long considered that the growing of Tulips in California, especially as applied to the southern end of the State, was a failure, but subsequent experiments have proven that accorded proper conditions, they will produce a fine display of blooms. Holland is where the greater part of the world's supply of these beautiful Spring bulbs comes from; the conditions essential to their cultivation there may be applied here with successful results. In the district around Haarlem the soil is but little more than dune sand enriched with cow manure, etc., and in it Tulips grow to perfection. The great cause of failure here is that the soils are too heavy—with this knowledge in view the successful cultivation of Tulips lies principally in the soil preparation. Select a sunny plot in the garden, and if the soil is not already a very sandy loam, excavate to a depth of ten inches, replacing with sandy loam, three parts to one part cow manure rotted, and add even to this clean sand, fill to four or five inches, above the surrounding ground, level off and tread firmly, rake to a smooth, even surface and plant the bulbs in lines three to four inches apart by four inches deep. Place a ridge around the edges so that the bed may be flooded, as sprinkling is more injurious than beneficial and tends to destroy the blooms when open.

The varieties we offer below are extra choice and adapted to our climate.

**Bouton d'Or.** (Golden Beauty). One of the richest golden yellow Tulips in cultivation. Large, brilliantly colored blooms and long stems. Price per doz., 50c; per 100, \$3.50.

**Gesneriana Lutea.** A splendid variety for cutting; stems tall; color yellow. Price per doz., 75c; per 100, \$5.00.

**Gesneriana Alba Oculata.** Rich crimson-scarlet with a highly contrasting white eye. Price per doz., 50c; per 100, \$3.50.

**Gesneriana Spathulata.** Rich crimson-scarlet with a blue-black center. Price per doz., 75c; per 100, \$5.00.

**Gesneriana Rosea.** Handsome rosy carmine with a black center. Price per doz., 50c; per 100, \$3.50.

**Isabella.** Deep pink, large flowered. Price per doz., 50c; per 100, \$3.50.

**Parisian Yellow.** A beautiful lemon-colored bloom. Price per doz., 50c; per 100, \$3.50.

## Sparaxis

**Tricolor.** A lovely race of bulbous flowering plants from the Cape which require much the same treatment as Ixias. The colors are particularly rich and varied and when planted in masses produce a telling effect. Plant the roots two inches deep and three inches apart in a good rich loamy soil. Per doz., 15c; per 100, \$1.00.

**Pulcherrima.** A lovely species of Sparaxis from the Cape of Good Hope. Height about six feet. The dainty bell-shaped, rose-colored flowers hang on slender filament-like stems, and their weight causes the long stems of the flower shoot to arch gracefully. A very rare and beautiful plant. Each, 50c; per doz., \$5.00.

## Tuberoses

**White Pearl.** The best variety of all. Dwarf, double, and deliciously fragrant; strong bulbs. Each, 10c; per doz. 75c.

# Seasonable Fall Plants

We grow a very large stock of the following varieties. They are all plants which produce the best results in this climate by being set out during the Fall months. The dates at which they will be ready for delivery are appended, and unless otherwise mentioned, are grown in two-inch pots.

**Antirrhinums.** In choice varieties, separate colors or mixed. Per doz., 50c; per 100, \$3.50. October 1st.

**Aquilegia** (Hybrids of Coerulea). We have a magnificent strain of the lovely long spurred types in both double and single flowers. Price, each, 15c; per doz., \$1.50.

**Campanula Pyramidalis Alba.** The beautiful chimney Campanula, attaining a height of five or six feet and completely covered during Spring with dainty bell-shaped flowers, pure white. Price, 3-inch pots, each, 15c; per doz., \$1.50. September 15th.

**Campanula Pyramidalis Blue.** Similar in all respects to the above, but with blue flowers. Price, each, 15c; per doz., \$1.50. September 15th.

**Canterbury Bells.** In fine strong plants from 3-inch pots in a great variety of colors mixed. Each, 10c; per doz., \$1.00. September 15th.

**Coreopsis Lanceolata Grandiflora.** The perennial variety with large golden yellow flowers. Price, each, 10c; per doz., \$1.00. October 1st.

**Daisy Giant White.** With fine pure white flowers. Per doz., 50c; per 100, \$3.00.

**Daisy Giant Rose.** With fine pure rose flowers. Per doz., 50c; per 100, \$3.00.

**Delphiniums.** Fine clumps of our now well-known strain, hybrids of Belladonna. Autumn planting insures a fine display in early Spring. Price, 2-year clumps, each, 20c; per doz., \$2.00. September 15th.

**Dianthus Nobilis.** A magnificent strain of annual pinks with deeply fringed blooms; the surface of the flower appears ruffled. Mixed colors. Price, per doz., 50c; per 100, \$3.50. September 1st.

**Nobilis Brilliant.** A fine selection from the above with lustrous crimson flowers. Very fine and large. Price, per doz., 50c; per 100, \$3.50. October 1st.

**Forgetmenot.** Strong plants of this old-fashioned favorite in a much improved type. Price, per doz., 50c; per 100, \$3.50.

**Foxgloves.** These are quite hardy and produce an abundance of fine spikes in early Spring. The strain we offer contains a fine assortment of colors and extra large flowers. Price, each, 10c; per doz., \$1.00. September 15th.

**Gaillardias.** (Perennial.) A new very large flowered strain in strong decided colors or combination of colors. Price, each, 10c; per doz., \$1.00. September 15th.

**Hunnemannia Fumaerifolia.** The yellow Mexican Poppy with bright golden yellow flowers. Excellent for cut flowers. Price, from 3-inch pots, each, 15c; per doz., \$1.50. September 15th.

**Hollyhocks.** (Chaters Prize.) Fine strong plants from 3-inch pots, in eight to ten colors. Each, 15c; per doz., \$1.50. September 15th.

**Oriental Poppies.** (New Hybrids.) These are the largest flowered Poppies known, reaching a diameter on well grown plants of 10 inches. The plants are perennial. This new strain contains numerous shades of color hitherto unknown in this class. Price, strong plants from 3-inch pots, each, 15c; per doz., \$1.50. Ready September 1st.



# PANSIES



Types of H. & S.  
Special Strains

**Pansies. (Giant.)** The very fine strains we have disseminated in past seasons are well known. The flowers contain a great variety of colors combined with excellent form and substance. Price, strong young transplanted plants in all shades, per doz., 25c; per 100, \$2.00. October 1st. Blooming plants after November 1st. Per doz., 35c; per 100, \$2.75.

**Pansies. (H. & S. Special.)** A new strain with enormous blotched flowers, and undoubtedly the finest strain in existence. We have only a limited supply of plants. As is common with all the finest types, the seed is very high priced and it is difficult to obtain even a fair percentage of germination. Price, per doz., 50c; per 100, \$3.00. October 1st.

**Penstemons.** A new giant flowered selection of the finest Gloxinia flowered varieties. The strain contains a wide variety of colors. Spikes of enormous size. One of the most ornamental and useful of Winter flowering plants. Price, each, 15c; per doz., \$1.50.

**Phloxes. (Perennial.)** Although usually planted in Spring, Phloxes do far better if planted in late Autumn. They commence to grow with the first warm Spring rains and give a much longer season of bloom. We can offer a fine collection of novelties at 20c each, \$2.00 per doz., or a good general collection at 15c each, \$1.50 per doz.

**Note.**—For description of varieties see our Spring catalogue.

**Petunia. (Single.)** A superb strain of single Petunias which grows and blooms freely during the Winter and Spring months. Colors rich and varied. This strain is admirably adapted for pot work. Price, each, 10c; per doz., \$1.00.

**Shasta Daisy.** Strong young plants. Each, 10c; per doz., \$1.00. September 15th.

## Stocks

**Beauty of Nice.** A lovely Winter flowering stock with beautiful flesh pink flowers. It grows two feet high and has numerous branching stems; fine for cutting. Price, per doz., 50c; per 100, \$3.50.

**Winter Riviera White.** A compact branching stock 18 inches high. It blooms for several months and is always covered with spikes of pure white flowers. Price, per doz., 50c; per 100, \$3.50. October 1st.

**Giant Perpetual.** A fine class of cut and come again stocks, growing two feet high and coming into bloom shortly after planting. This strain produces a constant succession of flowers from Fall to late Spring. We can offer fine plants in the following colors: White, light blue, fiery red and flesh color. Price, per doz., 50c; per 100, \$3.50. October 1st.

**Note.**—All our stocks are of a very select strain and will produce a high percentage of double blooms. They are all grown in pots. Our stock for this season will be ready October 1st, and comprises over 20,000 plants. Plant early for best results, as stocks grow best in cool Fall and Winter weather.

**Sweet William. (New giant Auricula flowered.)** A magnificent strain of this old-fashioned plant in a greatly improved form. Nothing can exceed the beauty displayed in a well flowered bed. Plant early in Fall for best results. Price, strong plants from 3-inch pots, per doz., \$1.00.

**Sweet William. (Pink Beauty.)** A lovely shade of bright pink. A fine thing for cut flowers. Price, per doz., \$1.00.

## Violets

**Undine.** A magnificent new double violet with rich dark blue flowers and exceptionally long stems. It is intensely fragrant, far exceeding in this quality any other Violet. Price, each, 10c; per doz., 75c.

**Marie Louise.** Large double blue flowers, intensely fragrant and very free; later in bloom than single sorts. Price, per doz., 50c.

**Princess of Wales.** A magnificent single and the largest Violet in cultivation. The flowers open out flat similar to a pansy, are deliciously fragrant and extra long stemmed. Strong 2½-inch pot plants, per doz., 50c.

**Swanley White.** This variety is a perfectly double pure white and very fragrant. Double violets have far more perfume than singles and a small bed will scent a whole garden. Per doz., 50c.







# Howard & Smith's Choice Selection of Giant Flowering Spencer Sweet Peas

**W**E DESIRE to call our customers' attention to the splendid varieties offered below. The seed is entirely of our own saving and represents the highest types known in Sweet Peas of the Giant Spencer class produced up to the present time.

The Spring season just passed will go down to history as one of the most disastrous in the annals of California, in so far as the seed industry is concerned. Heavy and killing frosts in January with comparatively little rain during the Spring months, spelled failure for immense acreages of Sweet Peas through the state, as well as other flowers, with the result of only a small harvest in especially favored locations. We were fortunate in getting one of the best crops we ever harvested, our splendid supply of water at Montebello and excellent soil gave fruitful results. Our seed is plump, of strong germinating power, absolutely true to color, and entirely hand picked.

We are well aware that our prices are higher on Sweet Peas than ordinary strains of field, machine thrashed stock, but if quality is a consideration customers will find no room for comparison.

It requires the same labor and time to grow a poor strain as a good one, and it is therefore questionable whether a saving is made in buying cheap strains of seed.

Price of any of the following Sweet Peas, each 15c per packet, with the exception of Elfrida Pearson and Sterling Stent which are 25c.

An extra choice mixture of all the following varieties, liberal packets, per packet, 15c.

## Special Offer.

One package each of the following varieties, including the two noted above, for \$2.75. This collection taken as a whole is absolutely unequalled for quality.

**Asta Ohn.** Enormous blooms, usually four to the stem, all beautifully waved after the most approved Spencer type. Color a lovely shade of soft lavender.

**America Spencer.** A handsome variegated variety bearing three to four flowers to the stem. Color ivory white striped and pencilled with bright crimson.

**Countess of Spencer.** (Re-selected stock). Our strain is absolutely fixed as to color, the variability common in this variety being entirely eliminated. Deep rich rose pink of an exquisite shade.

**Florence Nightingale Spencer.** A large lavender bloom not unlike the shade noted in Asta Ohn. The flowers are heavily waved and undulated. One of the best.

**Gladys Burt Spencer.** A beautiful new shade in the Spencer class with a ground color of primrose overlaid with soft salmon pink. A bunch of the cut flowers are exquisite in tone. Blooms of medium size and usually four to the stem. Well waved.

**Gladys Unwin Spencer.** A lovely shade of deep pink with crinkled and waved standard. This variety is the best and largest of its particular color grown.

**Gaiety.** White, heavily blotched and flaked crimson. This is quite distinct from America Spencer and may well be regarded as one of the most distinct Sweet Peas in the "Fancy" class.

**ELFRIDA PEARSON.** To adequately describe the superlative beauty of this magnificent English novelty is nearly impossible. The half-tone engraving herewith produced only gives a faint conception of the form of the blooms with nothing of its immense size and glorious color.

It is in our estimation the progenitor of a new and improved race of ultra-waved Spencer Sweet Peas with flowers of giant size.

An unusual attribute of Elfrida Pearson is that it produces nearly all stems with four flowers, and in the trial rows at Montebello stems with five and six blooms were not uncommon. Many of the blooms have a double standard, the whole flower being beautifully waved and undulated. The color is a lovely soft pink uniform throughout the flower. The tone under artificial light is of matchless quality.

We paid for our original stock of this new Sweet Pea at the rate of twenty-five cents for 12 seeds. Had it been five times the price it would have been cheap for it is certainly the last word in the newer and improved forms of the Spencer class.

All the seed we offer is taken from plants of our own growing. These were carefully rogued and consequently the strain may be depended on for vitality and purity.

We can thoroughly recommend this superb novelty to all our customers, and are not afraid that the results will be other than thoroughly gratifying to all who plant it.

Plant in November or December and give good cultivation. You will be more than pleased.

Price per packet of about 50 seeds, 25c.

**Geo. Herbert Spencer.** A glorious shade of deep Carmine toned with rose. The tint is quite different to that of any other Sweet Pea. Unquestionably the best of its color in cultivation.

**Helen Lewis Spencer.** A striking shade of deep orange-rose. A gem as to color with an ultra-refined Spencer shape of bloom. This variety should be included in every collection.

**Irish Belle Spencer.** A splendid shade of deep lilac with heavily frilled standards and wings. There are but few sorts possessing this color and it is undoubtedly the best of the lot.

**King Edward Spencer.** A superb crimson scarlet with mammoth sized blooms. The tone is so rich that the blooms when fully developed assume a glossy brilliance. This fact makes it of special value for decorative purposes at night. It is the best Sweet Pea of this color in cultivation today.

**Mrs. A. Ireland Spencer.** Bright rose pink with blush shadings. Wings large and broadly expanded. A feature of this variety is its exceedingly long stems. This, coupled, with its fine color makes it of special value for cutting purposes.

**Mrs. Hugh Dickson Spencer.** A gigantic frilled flower of a lovely apricot pink shade. This variety marks one of the greatest advances in the improvement of Sweet Peas.





**Marie Corelli Spencer.** Cherry red and rosy crimson beautifully displayed in its giant waved flowers. The standards are very broad and quite upright in alignment. A fine thing any way you take it.

**Miriam Beaver Spencer.** This lovely variety should be referred to as "Miriam Beaver Type" rather than a single name. It has been, up-to-date, an impossibility to "fix" the color, although one of the handsomest types of Sweet Peas in existence. It varies through various shades of salmon, pink, rose, orange-pink, etc., all, however, with enormous frilled flowers of exquisite form and substance.

**Mrs. Routzahn Spencer.** Buff and apricot with a suffusion of blush pink. Flowers large as to size with a well crinkled effect in both standards and wings.

**Othello Spencer.** In dark shades this elegant variety easily leads. The color is a dark glossy maroon of intense shade, and quite uniform throughout the flower. It is mammoth in size with beautifully crimped standards and wings.

**STERLING STENT SPENCER.** Another superb novelty from England which, like Elfrida Pearson, is in a class by itself. The blooms are not only immense in size but offer a practically new shade in Sweet Peas.

The color is an intense shade of rich orange-salmon. A bunch of the cut blooms are of magnificent decorative value especially for evening use. There is no other variety we know of more beautiful for this purpose.

Take our word for it, its good. Price, per packet 25 cents.

**Vermilion Brilliant Spencer.** This sort is not unlike Scarlet Emperor in color, but is perhaps a richer toned flower. The color is a deep vermilion scarlet with enormous size flowers beautifully waved and fluted. It holds its color even during the hottest weather and produces extra long stems.

**White Spencer.** (Extra selected stock). This is the best White Sweet Pea yet grown in the Spencer class. Its blooms are large, snowy white in color and prettily waved.



## Christmas Flowering Sweet Peas

These are splendid for early cutting. The flowers are not so large as those of the Spencer class, but they begin to bloom during the winter months, several weeks ahead of the former section.

Price of any of the following, per packet, 10 cents, or in mixtures containing all varieties at the same price.

**Earliest of All.** Rose and white; a great favorite with cut flower buyers.

**Flamingo.** A splendid crimson; the best of this color in the early flowered varieties.

**Florence Denzer.** A black seeded pure white; large.

**Mrs. William Simms.** Very delicate shade of salmon buff.

**Mont Blanc.** Extra large, pure white.

**Mrs. Alexander Wallace.** Lavender; has no objectionable purple shading in the flower.

**Cultural Note.**—Although Sweet Peas are of the easiest culture possible, there is a vast difference in the quality between those grown properly and otherwise. To begin with, we do not advise sowing too early in this climate. The large flowered types rarely come into bloom before March except in especially favored localities. To obtain the finest flowers, the beds should be prepared some time in advance of planting. The ground should be spaded over at least eighteen inches deep and a dressing of three inches of well rotted manure spaded in and thoroughly incorporated in the pulverized soil; soak thoroughly and turn over a couple of times before sowing the seed, allowing a week or so to elapse between operations; plant the seed in drills, covering at least two inches deep; if the ground is moist, they will require no water until after they appear; watering beforehand cakes the soil on top and prevents free growth.

Begin to train them on supports when 4 inches high; the best material for supports is ordinary chicken wire, 2-inch mesh, six or eight feet high, erected with 2x3 redwood posts set firmly in the ground eight feet apart and connected across the top and bottom with 1x4 pine strips; on this frame stretch the mesh wire good and tight.

During the growing period give an occasional mulch of rotted manure, and if extra fine blooms are desired, manure water in weak solution several times after the buds begin to show.

Howard & Smith, Los Angeles, California



